Sprint PDA

User Manual

INS29613
June 2007
Issue 2

TELEGAN
gas monitoring

Bluetooth® is a trademark owned by Bluetooth SIG, Inc. and licensed to Crowcon Detection Instruments Ltd

Windows™ is a registered trademark of Microsoft Corporation in the U.S. and/or other countries

Contents

Overview 2

1. Installing Sprint PDA 3

To install ActiveSync 3
To synchronise you PDA and computer 3
To copy the Sprint PDA application on to the PDA 4
To install Sprint PDA 4
To create a shortcut to the Sprint PDA application 4

2. Pairing with Sprint 5

2.1 Windows Mobile 5.0 5
To pair PDA with Sprint 5
2.2 Pocket PC 2003 6
To set up *Bluetooth* wireless connection 6
To pair PDA with Sprint 6

3. Operating Sprint PDA 8

Introduction 8
Sprint PDA Menu System 8
To Receive Logs and Reports from Sprint 9
To Set Report Options 10
To Accept Client Approval, Save and Email Report 10
To Send Stored Reports via Email 11
To View Stored Reports 11
To Disconnect PDA from Sprint 11
To Transfer Saved Reports to your Computer 11

4. Troubleshooting Guide 12

Overview

Sprint PDA is a software application for your PDA. Its function is to allow your PDA to act as a portable point of transfer between a Sprint Flue Gas Analyser (FGA) and your computer over a *Bluetooth*® network. *Bluetooth* allows you to transfer data between compatible devices within a ten metre vicinity without wires. The two devices do not need to be facing or in line of sight.

These instructions provide the details for setting up a *Bluetooth* connection between your PDA and a Sprint unit. Please read the instructions carefully before use. Keep the manual for future reference. *Sprint PDA* works in conjunction with *Sprint PC Lite* on your computer. Please refer to your Sprint CD for installation and operation instructions for *Sprint PC LIte*.

Terms used in this guide

FGA Flue Gas Analyser
PDA Personal Digital Assistant

PDA Specification

Operating system: Windows Mobile 5.0, Pocket PC 2003
Minimum RAM: 64Mb
Bluetooth: Version 1 transceiver

Before you begin

You will need the following

- Telegan Sprint installation CD;
- Sprint FGA with *Bluetooth*; (Sprint V3, V5 and V7)
- PDA with *Bluetooth*;
- Personal computer running Windows XP, Vista*;
- PDA dock;
- *Sprint PDA* User manual.

Notes on installation

This user guide provides installation instructions for *Windows Mobile 5.0* and *Pocket PC 2003* using a Pocket PC environment. These installation instructions provide typical examples for installing the *Sprint PDA* application and pairing of devices, but may vary depending on your PDA and its operating system. Please refer to your PDA instruction manuals for further details if necessary.

** Vista does not use ActiveSync to synchronise your PDA with your computer. Please use Windows Mobile Device Centre which is installed on Windows Vista.*

Before you can use *Bluetooth* you need to pair your PDA with your computer and copy the *Sprint PDA* application onto your PDA. After installing *Sprint PDA* you will then need to pair your PDA with your Sprint FGA.

1. Installing Sprint PDA

Windows XP

Before copying and installing *Sprint PDA* on your PDA, you must first ensure it is connected to your computer using *ActiveSync*.

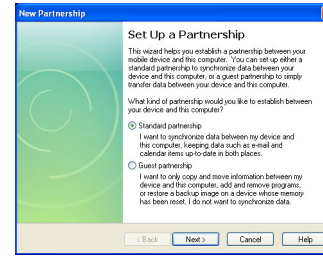
To install ActiveSync

1. Insert the Telegan Sprint Installation CD into the CD-ROM drive of your computer. Navigate to the 'Sprint PDA' folder and install the program 'ActiveSync.msi'. (To install the program, either double-click on the program icon or right-mouse click and select Install from the menu.)
2. Follow the on-screen instructions.

To synchronise you PDA and computer

1. Plug your PDA dock's USB cable into the USB port on your computer and place the PDA into the PDA dock. Your computer will automatically run *ActiveSync*. Follow the on-screen instructions.
2. Follow the instructions in 'Set Up the Partnership' wizard and click on next. When connected, select *Explore* to view your PDA.

   Your computer and PDA are now synchronised.

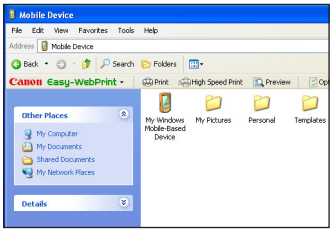

New Partnership
Set Up a Partnership
This wizard helps you establish a partnership between your mobile device and this computer. You can set up either a standard partnership to synchronize data between your device and this computer, or a guest partnership to simply transfer data between your device and this computer.
What kind of partnership would you like to establish between your device and this computer?
Standard partnership
I want to synchronize data between my device and this computer, keeping data such as e-mail and calendar items up-to-date in both places.
Guest partnership
I want to only copy and move information between my device and this computer, add and remove programs, or restore a backup image on a device whose memory has been reset. I do not want to synchronize data.
< Back
Next >
Cancel
Help

Windows Vista

Before copying and installing *Sprint PDA* on your PDA, you must first synchronise your PDA with your computer. Connect your PDA using the USB dock. *Vista* will automatically synchronise your PDA and display *Auto Play* option dialogue box where you can explore the files on your PDA.

To copy the Sprint PDA application on to the PDA

1. On your computer navigate to the 'Sprint PDA' folder on the Telegan Sprint Installation CD. Copy the 'SprintCab.cab' file to the 'Personal' folder on the PDA. (If you have closed the 'Explorer' window opened in step 2 above, look for the *Microsoft ActiveSync* icon on the taskbar to open an *Explorer* window.)



To install Sprint PDA

1. Using the PDA tap on *Start>Programs* and then tap on the *File Explorer* icon.
2. Using the *File Explorer* navigation bar, navigate to *My Device>My Documents>Personal* folder and locate the 'SprintCab' file.
3. To install *Sprint PDA* tap on the file 'SprintCab' to begin installation. (Note: If asked to confirm a removal and reinstallation tap on *OK*. If asked to verify security tap on *OK*.)
4. If a 'Installation complete' message is displayed, click on *OK*.
5. The 'SprintCab' file can now be deleted. Tap and hold the file 'SprintCab', from the pop-up menu select *Delete*. Tap on *OK* to confirm deletion.

   You have now completed the installation of your *Sprint PDA* application onto your PDA.

To create a shortcut to the Sprint PDA application

1. Tap on *Start>Programs>File Explorer* and use the navigation bar to tap on *My Device*. From *My Device* tap and navigate to *Program Files>SprintCab* folder.
2. Tap and hold on the file 'Sprint' and tap on *Copy* from the pop-up menu.
3. Using the *File Explorer* navigation bar, tap on *My Device* then tap on *Windows>Start Menu>Programs*.
4. Tap and hold on the white space on the screen, from the pop-up menu tap on *Paste Shortcut*.
5. To rename the shortcut, tap and hold on the file 'Shortcut to Sprint' and tap on the menu item *Rename*.
6. Rename the shortcut as something like 'Sprint' and close *File Explorer*.
8. To run *Sprint PDA* from the shortcut, tap on *Start>Sprint*. (Or the shortcut name given in 6 above).

2. Pairing with Sprint

The instructions cover the pairing of your PDA and Sprint unit using a wireless *Bluetooth* network for either *Windows Mobile 5.0* or *Pocket PC 2003*. Please follow the instructions below for your PDA's operating system. (Note: the pairing of devices can vary with different individual PDAs. Please refer to your PDA instruction manual for further details on pairing devices if necessary.)

2.1 Windows Mobile 5.0

To ensure your Sprint unit is Discoverable please switch on both the PDA and Sprint, and place within close vicinity of up to ten metres.

To pair PDA with Sprint

Note: if you have a previous pairing with another Sprint unit on your PDA, you must first delete this previous pairing from your PDA before continuing. See 'How to delete pairing' at end of this section.

1. On the PDA tap the *Start>Settings* and select the *Connections* tab.
2. Tap the *Bluetooth* icon and select the *Devices* tab.
3. Tap on *New Partnership*. Your PDA searches for *Bluetooth* devices in range and displays them in the list. (Note: the PDA will discover all active Sprint units within a ten meter vicinity. It is advisable to pair devices with only the unit you wish to 'pair' with, within range.)
4. Tap the 'FGA' device and Tap *Next*.
5. In the 'Passkey Field' enter the alphanumeric passkey of 'FGA' (all upper case) and tap on *Next*.
6. Ensure that the 'Serial port' box is checked and tap on *Finish*.
7. Minimise the keypad if it is maximised.
8. Click on the *COM Ports* tab.
9. Tap on the *New Outgoing Port* entry.
10. Tap on the 'FGA' and tap *Next*.
11. Select an available 'Port' and check 'Secure Connection'. At this point you should make a note of the selected 'Port' as this will be required by the *Sprint PDA* later.
12. Tap on *Finish*.
13. Tap on *New Incoming Port*.

14. Select an available 'Port' (preferably not the same port as the defined outgoing port) and check 'Secure Connection'. At this point you should make a note of the selected 'Port' number as this will be required by the *Sprint PDA* later, tap on *Finish*.
15. Tap on the toolbar *OK* button to close the *Bluetooth manager*, and *X* to close the *Settings* screen.

An active connection with *Bluetooth* wireless technology is created and the pairing of the device is complete.

How to delete a pairing

1. To delete a previous Sprint pairing, tap on *Start>Settings>Connections*.
2. Tap on '*Bluetooth*' icon and tap on 'Devices' tab.
3. Tap and hold on the paired device ('FGA' icon) and tap on *Delete*.

2.2 Pocket PC 2003

To set up *Bluetooth* wireless connection

1. On the PDA tap the *Start<Settings* and select the *Connections* tab.
2. Tap the '*Bluetooth*' icon and select the *General* tab. Ensure that the *Bluetooth* status shows '*Bluetooth* is on'. If it does not, then tap on the 'Turn on' button.
3. Tap on the *File transfer* tab and ensure that the 'Enable Service' checkbox is checked, and the 'shared folder' shows '\My Documents'.
4. Tap on the *Serial Port* tab. Ensure that the 'Enable service' checkbox is checked. At this point take a note of the 'inbound and outbound COM Port' numbers as these will be required by *Sprint PDA* later.
5. Tap on the *OK* button in the top right corner of the window.

To pair PDA with Sprint

To ensure your Sprint unit is Discoverable please switch on both the PDA and Sprint, and place within close vicinity of up to ten metres.

Note: if you have a previous paring with another Sprint unit on your PDA, you must first delete this previous pairing from your PDA before continuing. See 'How to delete pairing' at end of this section.

1. On the PDA tap the '*Bluetooth*' icon in the lower right corner of the screen and select *Bluetooth manager.*
2. Tap on *New<Connect*.

3. Tap on 'Explore a *Bluetooth* device' from the '*Bluetooth* Connection Wizard' then click *Next*.
4. Follow the advice on the screen to view a list of devices in the area.
5. Tap on the 'FGA' device.
6. In the 'Passkey Field' enter the alphanumeric passkey of 'FGA' (all upper case) and tap on *Next*.
7. Tap on 'spp slave' and then tap on *Next*.
8. Tap on *Finish*.

An active connection with *Bluetooth* wireless technology is created and the pairing of the device is complete.

How to delete a pairing

1. To delete a previous Sprint pairing, go to *Start>Settings* and select *Connections* tab.
2. Tap on '*Bluetooth*' icon and tap on Bluetooth *Manager*.
3. Tap on *Tools>Paired devices*, tap and hold 'FGA' icon and tap on *Remove*.

3. Operating Sprint PDA

Before using *Sprint PDA* you must set up a *Bluetooth* connection with the Sprint unit. Please see 'Pairing with Sprint' for further instructions. Sprint reports require *Sprint PC Lite* to be installed on a computer in order to read the reports. Please see 'Sprint Installation CD' for installation and operating instructions.

Introduction

Sprint PDA acts as a portable point of transfer between Sprint and your computer over a *Bluetooth* network. Log files or reports are transferred from your Sprint unit to your PDA and then transferred from your PDA to your computer directly or via email to other recipients.

Reports recorded by your Sprint unit are transferred as encrypted XML data files (XML is a type coded text file). Individual reports can be sent via *Bluetooth* to your PDA either from the Sprint *Logs* or directly as reports from the *Test* screens. The XML data is encrypted so no alterations to reports can be made. *Sprint PDA* receives individual reports which can then be accepted by a clients signature and then stored locally on the PDA. Once a report is stored, *Sprint PDA* can be used to send individual reports or multiple stored reports via email.

Sprint PDA Menu System

Sprint PDA provides three menus: 'File', 'Options' and 'Email'.

File Menu

From this menu you can connect and disconnect to your Sprint unit, place your PDA into 'Listening mode' to receive XML reports, to end 'Listening mode', to save and load log reports, and to exit *Sprint PDA*.

Options Menu

The *Options* menu allows the user to set customer details, units of measure and application settings.

Application settings

Selecting the *Applications* menu allows you to view In and Out Port settings for your *Bluetooth* connection, select pen colour, language setting and address of main email recipient. This email address is used by default when creating emails.

Email Menu

The *Email* menu allows the user to create emails and add reports as attachments.

To Receive Logs and Reports from Sprint

Before you begin, make sure your Sprint unit is switched on and set to sending reports via *Bluetooth.* The *Bluetooth* icon will appear on the Sprint screen as a soft key in the view individual logs list or on *Test* screens.

Tip: *to set Sprint to using Bluetooth, press ESC to Main Menu, select Settings>Report and select Bluetooth.*

Tip: Sprint *Bluetooth* module is turned off when Sprint is connected to a PC using the USB cable.

1. On your PDA, tap on *Start>Sprint* shortcut.
2. Tap on the menu *File>Perform connection>Connect*.

   Your PDA will display a *Bluetooth* connection screen. Follow your PDA's instructions for selecting the 'FGA' device. When the device is selected and the connection made, your PDA will return to the *Sprint PDA* main screen.
3. Tap on *File>Bluetooth>Start listening* to put your PDA in listening mode, the 'Log report viewer' screen will be displayed.

   To exit the 'Log report viewer' screen tap on *File>Bluetooth>Stop listening.*

Test data and logs can be sent via *Bluetooth* from any of the *Test* screens or the *Logs* menu.

4. *Log Screen:*
   From the Sprint 'Select Log' screen, select the log you wish to send and press the *Bluetooth* soft key.

   Test Screen:
   From any Sprint Test screen, run the test, when complete press the *Bluetooth* soft key.

   Sprint will display a message to confirm *Bluetooth* request, select confirm ✓. On the 'XML Status' screen Sprint will display 'Is the FT ready to receive data?', select 'Send Data ✓' soft key to send XML data to your PDA.

   Sprint will sound a beep when file is transmitted and display 'XML Data transmitted successfully'. Press proceed soft key ✓ to continue.

   If no response is received, Sprint will display 'No response from FT' and 'Resend' option above the soft key. Select confirm ✓ to resend or ✖ to cancel.

5. *PDA:*
   When the XML data is received from the Sprint unit, the details will appear on the PDA 'Log report viewer' screen.

Note: Sprint PDA can only receive individual reports one at a time. To transfer more reports repeat steps 3 and 4 above for each report you wish to transfer.

To Set Report Options

These changes can only be made before the file is saved. Once saved the file contents are locked.

To change *Units of Measure*

1. Tap on *Options>Units of Measure*, make selections for 'Temperature Units' and 'Pressure Units', tap on *OK* to accept changes or *Cancel* to cancel changes.

To change *Customer details*

2. Tap on *Options>Customer details*, make changes and tap on *OK* to accept changes or *Cancel* to cancel changes.

To change *Email recipient*

3. Tap on *Options>Application settings*, make changes to 'Email recipient' and tap on *OK* to accept changes or *Cancel* to cancel changes.

To Accept Client Approval, Save and Email Report

1. Tap on 'Accepted by' button, *Sprint PDA* displays a signature window for customer to sign. Tap on 'Save' to save, 'Clear' to clear image and re-record, or 'Cancel' to cancel signature.

Save to File

2. Tap on *File>Save to file*, enter name of file, choose folder location from pull down list, and location on where to save on your PDA.

   Log files are saved as .spd file type.

Send Email

3. Tap on 'Email' button, Sprint PDA will display the XML data file, tap on 'Send' button. *Note:* The email recipient address will be that which is stored in *Application settings*.

   If your PDA displays a email confirmation screen, tap on *OK*.

To Send Stored Reports via Email

1. Tap on menu item *Email>New*. *Sprint PDA* automatically places email address and subject matter. Add message and tap on menu *Email>Attachments>Insert file*, add Sprint report(s) saved locally. Tap on *Email>Send*.

To View Stored Reports

1. Tap on *File>Load from file*, select file to view from list. *Sprint PDA* will display the stored report in the 'Log report Viewer' screen. The 'Accepted by' and 'Email' buttons will become active. *Note: the 'Accepted by' screen will load a 'read only' view of the signature.*

To Disconnect PDA from Sprint

1. Tap on *File>Perform Connection>Disconnect*.

More than one Sprint unit

If you have more then one Sprint unit you wish to transfer files from using your PDA. You must first delete the pairing between the previous Sprint unit and your PDA, and create a new pairing with the next Sprint unit.

Instructions for deleting pairings can be found in section '2.Pairing with Sprint' or please refer to your PDA instruction manuals.

To Transfer Saved Reports to your Computer

To transfer files from your PDA to a computer you must have *Sprint PC Lite* installed on the computer. Connect your PDA to the computer and use the *Import* feature of *Sprint PC Lite.*

Please refer to your Sprint CD for installation and operation instructions for *Sprint PC LIte*.

4. Troubleshooting Guide

Error	*Action*
PDA	
Cannot connect with computer	Check PDA is synchronised with computer. Refer to *Windows* operating Help files for further assistance.
PDA and Sprint	
Cannot pair Sprint with PDA	Check Sprint is switched on and battery has sufficient charge.
	Check Sprint and PDA are within a ten metre vicinity. Try moving the position of your Sprint and PDA.
	If Sprint in connected to a PC via USB, disconnect USB from your Sprint unit.
	Refer to PDA Help files for further assistance.
Sprint	
Cannot make *Bluetooth* connection with Sprint	Check Sprint is switched on and battery has sufficient charge.
	Check *Bluetooth* is enabled on PDA.
	Check Sprint and PDA are within a ten metre vicinity. Try moving the position of your Sprint and PDA.
	Power down and restart Sprint, restart *Sprint PDA*.
	If Sprint in connected to a PC via USB, disconnect USB from your Sprint unit.
	Check you are connected to the correct Sprint unit. Remove or switch off any additional Sprint units that are in a close vicinity. Delete any previous pairings and create a new pairing.
Error 'No response from FT'	Check *Reports* on Sprint are set to sending as *Bluetooth*.
	Power down and restart Sprint, restart *Sprint PDA*.
	Check Sprint and PDA are within a ten metre vicinity. Try moving the position of your Sprint and PDA.
Email	
Cannot send email from PDA	Refer to PDA Help files for assistance on sending emails.

ANTON

Technical helpline: Tel: +44 (0)870 428 0075

Manufactured by:
Telegan Gas Monitoring
A division of Crowcon Detection Instruments Ltd
2 Blacklands Way,
Abingdon Business Park
Abingdon
Oxfordshire OX14 1DY
United Kingdom
Tel: +44 (0)1235 557700
Fax: +44 (0)1235 557749
Email: sales@telegangas.co.uk
Web site: www.telegangas.co.uk

Exclusive UK Distributor:
Anton Industrial Services Ltd
Unit 6 Park House
15/23 Greenhill Crescent
Watford Business Park
Watford.
Hertfordshire WD18 8PH
United Kingdom
Tel: +44 (0)870 428 0075
Fax: +44 (0)870 428 0076
E-mail:sales@anton-group.com
web: www.anton-group.com

CORGI
Registration No. 195583

A HALMA GROUP COMPANY